# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Monday 18 Dec 2023 until 23:59 on Tuesday 19 Dec 2023

Forecast Issued on Sunday 17 Dec 2023 at 16:31

**Confidence:** High for unsettled and increasingly cold and windy conditions through the forecast period but lower for timing of clearance of rain on Tuesday and again Wednesday.

**Headline for Monday 18 Dec 2023:** Cloudy with outbreaks of rain. Strong winds.

**Mountain weather hazards on Monday 18 Dec 2023**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>Medium Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Cloudy | Cloudy | Cloudy | Cloudy | Light rain | Heavy Rain | Light rain | Drizzle |
| Precipitation probability | | | | | | | |
| 30% | 30% | 20% | 40% | 50% | 70% | 60% | 50% |

**Forecast for Monday 18 Dec 2023**

**Weather:** Mostly cloudy overnight, just a few clearer spells in the east, with patchy light rain and drizzle over western hills. Then a cloudy day with outbreaks of rain developing through the morning becoming more persistent and perhaps heavy at times in the afternoon. The rain turns lighter and patchier again through the evening before clearing south towards midnight with some clear spells developing.

**Chance of cloud-free hill tops above 600m:** Around 40% in east, otherwise little chance until late evening.

**Low cloud and visibility:** Periods or persistent cloud above 450-600m, but more occasional at times in the east, lowering to 300m, with patches below, across western hills, especially in heavier rain, cloud gradually breaking and lifting through the late evening. Away from cloud visibility rather hazy and falling to just a few kilometres in heavier rain and drizzle, but becoming good or very good in the late evening.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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# Mountain Weather Forecast

**Forecast for Monday 18 Dec 2023**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 26/34 SW | 26/34 SW | 25/34 SW | 27/36 SW | 29/40 SW | 29/41 SW | 26/36 W | 19/26 W | 16/23 W |
| **300** | 19/29 SW | 18/27 SW | 18/27 SW | 18/28 SW | 20/31 SW | 20/31 SW | 17/27 W | 12/19 W | 9/16 SW |
| **Valley** | 11/25 SW | 10/24 SW | 10/24 SW | 11/26 SW | 13/28 SW | 14/29 SW | 13/26 W | 8/18 W | 6/15 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 6/1 | 6/1 | 7/2 | 8/3 | 8/3 | 8/4 | 8/3 | 6/2 | 6/1 |
| **300** | 8/4 | 9/5 | 9/6 | 10/6 | 10/7 | 11/7 | 10/6 | 9/6 | 8/6 |
| **Valley** | 8/6 | 9/6 | 10/7 | 10/7 | 11/8 | 11/8 | 10/7 | 9/7 | 8/7 |
| **Freezing Level*** | 3100m | 3000m | 2500m | 2500m | 2700m | 2400m | 2100m | 1900m | 1800m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Gusts around 50mph over higher peaks in the afternoon, where it will feel cold despite the mild temperatures.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 15:00 on Sun 17 Dec 2023 | 0mm | 0mm | 0mm |

**Forecast for Tuesday 19 Dec 2023**

**Weather:** A few early clear spells at first but cloud increasing bringing outbreaks of occasionally heavy rain through the early hours. The cloud and rain clear away east around dawn to leave a mainly dry day with sunny spells developing, perhaps just the odd shower in the west from mid-afternoon.

**Maximum wind:** Westerly 15mph increasing 20-25mph by midday, with gusts around 45mph over higher peaks in the evening.

**Chance of cloud-free hill tops above 600m:** Around 25% at first improving to around 90% by mid-morning

**Low cloud and visibility:** Periods of cloud above 450-600m at first becoming more occasional above 600-750m by miod-morning. Away from cloud visibility good, falling to several kilometres in rain or showers.

**Temperature:** **Valleys:** Around plus 6 or 7 Celsius at dawn and rising to plus 8 or 9 Celsius by day
**At 600m:** Around plus 5 Celsius
**Freezing level:** Above the summits but falling.

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